



North Carolina Department of Environment and Natural Resources
Division of Waste Management

Pat McCrory
Governor

Dexter R. Matthews
Director

John E. Skvarla, III
Secretary

November 4, 2013

Joseph Delloiacovo
Senior Technology and Regulatory Engineer
PRI-Bio Division
Progressive Recovery, Inc
700 Industrial Drive
Dupo, Illinois 62239

Dear Joseph Delloiacovo:

This is in response to your letter requesting approval of PRI's Thermal Tissue Digester for the treatment of pathological medical waste, as requested in your letter dated August 21, 2013. Pathological waste is defined in 15A NCAC 13B .1201(9) as human tissues, organs and body parts; and the carcasses and body parts of all animals that were known to have been exposed to pathogens that are potentially dangerous to humans during research, were used in the production of biologicals or in vivo testing of pharmaceuticals, or that died with a known or suspected disease transmissible to humans.

The Division is authorized to approve alternative methods of treatment of regulated medical waste according to 15A NCAC 13B .1203(b).

According to documents and data submitted to the Division by Progressive Recovery, Inc., the Thermal Tissue Digester employs alkaline hydrolysis with temperature and pressure to treat the waste and render the waste unrecognizable.

In documents and test reports submitted to the Division by Progressive Recovery, Inc., the Thermal Tissue Digester demonstrated effective treatment of microbial test agents.


This product is approved for the treatment of pathological waste provided the unit is installed, operated and maintained in a manner consistent with the manufacturer's specifications and recommendations.

If the unit produces any liquid discharges, notification of this waste management practice shall be made to the wastewater/sanitary sewer authority where the unit is installed, prior to any discharge.

This approval is valid until such time as it has been determined that this treatment technology for this waste type no longer meets the requirements of the rules for the regulation and treatment of medical waste.

Should you have any questions regarding this matter you may contact me at (919) 707-8245 or Bill Patrakis at (919) 707- 8290.

Sincerely,


Ellen Lorscheider
Environmental Programs Manager

Cc:
Dexter Matthews, Director, Division of Waste Management
Mike Scott, Chief, Solid Waste Section
Bill Patrakis, Environmental Scientist